Show tec ®

Connections:
7 = Ground
8 = Ground
2 = Data -
1 = Data +
C= Shield
3 = Not connected
6 = Not connected
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5 = Not connected

IR Eye

DMX Signal

Mode   Up   Down   Enter

LED Dim Pro

Ordercode: 50546

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Warning

**FOR YOUR OWN SAFETY, PLEASE READ THIS USER MANUAL CAREFULLY
BEFORE YOUR INITIAL START-UP!**

Unpacking Instructions

Immediately upon receiving this product, carefully unpack the carton and check the contents to ensure that all parts are present, and have been received in good condition. Notify the dealer immediately and retain packing material for inspection if any parts appear damaged from shipping or the carton itself shows signs of mishandling. Save the carton and all packing materials. In the event that a fixture must be returned to the factory, it is important that the fixture be returned in the original factory box and packing.

Your shipment includes:
* LED Dim Pro4
* Remote Control
* User manual

**CAUTION!
Keep this device away from rain and moisture!**

Safety Instructions

Every person involved with the installation, operation and maintenance of this device has to:
* be qualified
* follow the instructions of this manual

**CAUTION! Be careful with your operations.
With a dangerous voltage you can suffer
a dangerous electric shock when touching the wires!**

Before your initial start-up, please make sure that there is no damage caused by transportation. Should there be any, consult your dealer and do not use the device.

To maintain perfect condition and to ensure a safe operation, it is absolutely necessary for the user to follow the safety instructions and warning notes written in this manual.

Please consider that damages caused by manual modifications to the device are not subject to warranty.

This device contains no user-serviceable parts. Refer servicing to qualified technicians only.

IMPORTANT:

The manufacturer will not accept liability for any resulting damages caused by the non-observance of this manual or any unauthorized modification to the device.

* Never let the power-cord come into contact with other cables! Handle the power-cord and all connections with the mains with particular caution!

- Never remove warning or informative labels from the unit.
- Do not open the device and do not modify the device.
- Do not connect this device to a dimmerpack.
- Do not switch the device on and off in short intervals, as this would reduce the device's life.
- Only use device indoor, avoid contact with water or other liquids.
- Avoid flames and do not put close to flammable liquids or gases.
- Always disconnect power from the mains, when device is not used or before cleaning! Only handle the power-cord by the plug. Never pull out the plug by tugging the power-cord.
- Make sure that the device is not exposed to extreme heat, moisture or dust.
- Make sure that the available voltage is not higher than stated on the rear panel.
- Make sure that the power-cord is never crimped or damaged. Check the device and the power-cord from time to time.
- If device is dropped or struck, disconnect mains power supply immediately. Have a qualified engineer inspect for safety before operating.
- If the device has been exposed to drastic temperature fluctuation (e.g. after transportation), do not switch it on immediately. The arising condensation water might damage your device. Leave the device switched off until it has reached room temperature.
- If your Showtec device fails to work properly, discontinue use immediately. Pack the unit securely (preferably in the original packing material), and return it to your Showtec dealer for service.
- Repairs, servicing and electric connection must be carried out only by Showtec.
- WARRANTY: Till one year after date of purchase.

Operating Determinations

- This device is not designed for permanent operation. Consistent operation breaks will ensure that the device will serve you for a long time without defects.
- The maximum ambient temperature t_a = 45°C must never be exceeded.
- The relative humidity must not exceed 50 % with an ambient temperature of 45° C.
- If this device is operated in any other way, than the one described in this manual, the product may suffer damages and the warranty becomes void.
- Any other operation may lead to dangers like short-circuit, burns, electric shock, lamp explosion, crash etc.

You endanger your own safety and the safety of others!

Improper installation can cause serious damage to people and property !

Connection with the mains

Connect the device to the mains with the power-plug.
Always pay attention, that the right color cable is connected to the right place.

International	EU Cable	UK Cable	US Cable	Pin
L	BROWN	RED	YELLOW/COPPER	FASE
N	BLUE	BLACK	SILVER	NUL
⏚	YELLOW/GREEN	GREEN	GREEN	EARTH

Make sure that the device is always connected properly to the earth!

Improper installation can cause serious damage to people and property!

⚠ Return Procedure ⚠

Returned merchandise must be sent prepaid and in the original packing, call tags will not be issued. Package must be clearly labeled with a Return Authorization Number (RMA number). Products returned without an RMA number will be refused. Highlite will not accept the returned goods or any responsibility. Call Highlite 0031-455667723 or mail aftersales@highlite.nl and request an RMA prior to shipping the fixture. Be prepared to provide the model number, serial number and a brief description of the cause for the return. Be sure to properly pack fixture, any shipping damage resulting from inadequate packaging is the customer's responsibility. Highlite reserves the right to use its own discretion to repair or replace product(s). As a suggestion, proper UPS packing or double-boxing is always a safe method to use.

Note: If you are given an RMA number, please include the following information on a piece of paper inside the box:
1) Your name
2) Your address
3) Your phone number
4) A brief description of the symptoms

Claims

The client has the obligation to check the delivered goods immediately upon delivery for any short-comings and/or visible defects, or perform this check after our announcement that the goods are at their disposal. Damage incurred in shipping is the responsibility of the shipper; therefore the damage must be reported to the carrier upon receipt of merchandise.
It is the customer's responsibility to notify and submit claims with the shipper in the event that a fixture is damaged due to shipping. Transportation damage has to be reported to us within one day after receipt of the delivery.
Any return shipment has to be made post-paid at all times. Return shipments must be accompanied with a letter defining the reason for return shipment. Non-prepaid return shipments will be refused, unless otherwise agreed in writing.
Complaints against us must be made known in writing or by fax within 10 working days after receipt of the invoice. After this period complaints will not be handled anymore.
Complaints will only then be considered if the client has so far complied with all parts of the agreement, regardless of the agreement of which the obligation is resulting.
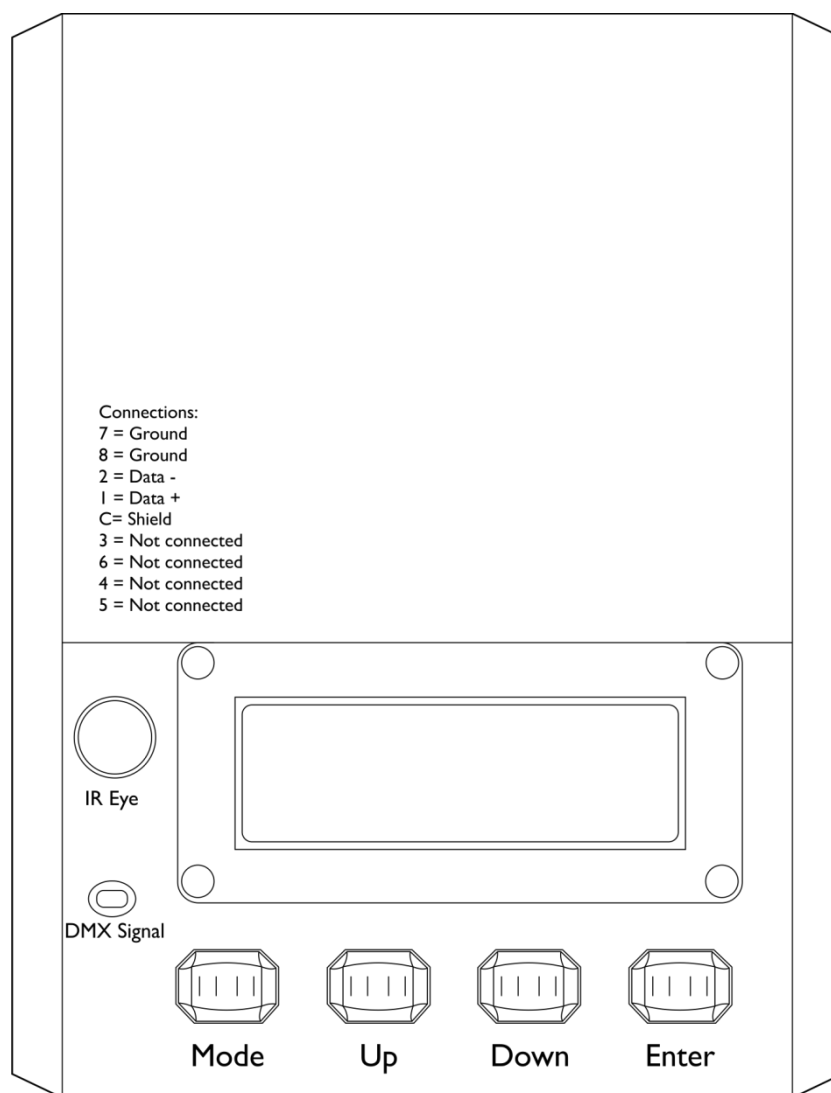
Description of the device

The LED Dim Pro is a very user friendly LED dimmer for RGB and RGBW strips. It can be used to control 12V or 24V constant voltage LED strips by DMX. Besides DMX control, it can also be used as stand-alone controller for one scene or chase. You can program a scene or chase, which becomes active if DMX fail occurs. The user interface is very friendly due to the menu with large display and language select (NL,EN,DE). It can handle 20A at 12V and 20A at 24V. For example you can use it for 4 x 5A, 2 x 8A or 3 x 6A, as long as the total load does not exceed 20A and the channel load does not exceed 8A. The power input must be supplied by an external (optional) power supply, which can vary between 12V and 24V depending on the connected LED strip.
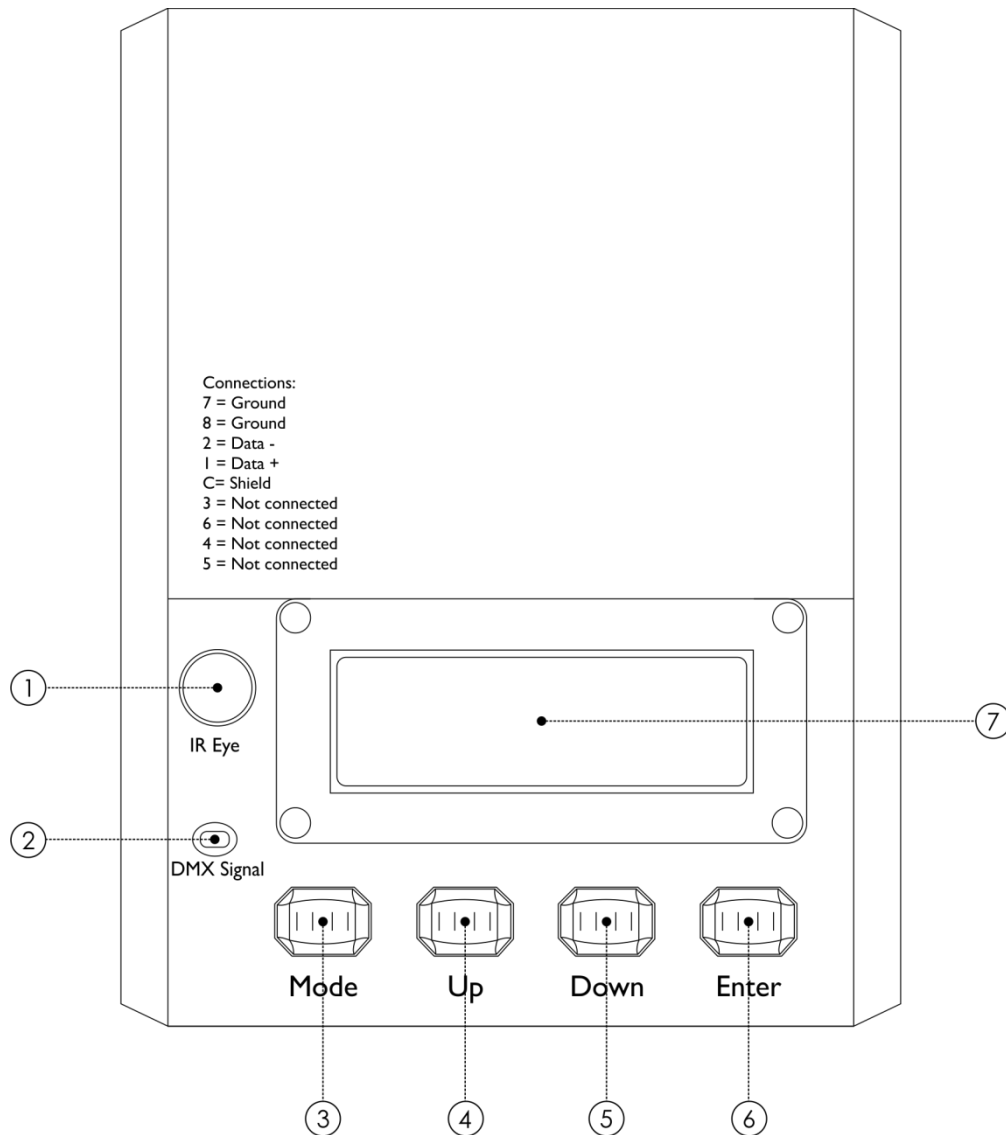
Features
- Menu display with NL, EN & DE language selection
- DMX fail back up function
- Stand-alone function
- RGBW Control for 12V & 24V strips
- Selectable PWM frequency
- IR Remote for controlling without DMX

Overview

Connections:
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IR Eye

DMX Signal

Mode   Up   Down   Enter

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Controller Front

Connections:
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① IR Eye

② DMX Signal

Mode   Up   Down   Enter

⑦

③   ④   ⑤   ⑥

①   IR Eye

②   DMX Signal indicator

③   Mode button

④   Up button

⑤   Down button

⑥   Enter button

⑦   Display

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Controller Side
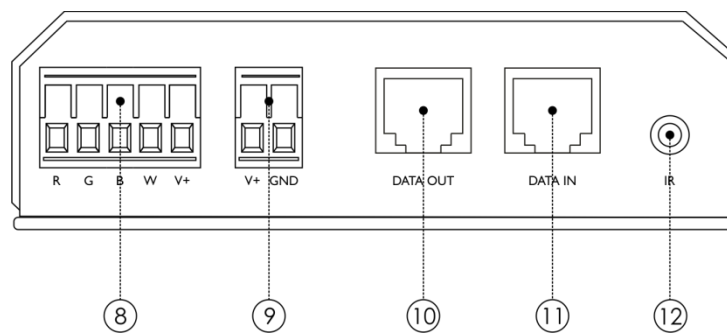
⑧   Signal Out connector (RGBWV+)

⑨   Power In connector

⑩   Outgoing data signal

⑪   Incoming data signal

⑫   Extra IR connector

Installation

Remove all packing materials from the LED Dim Pro. Check that all foam and plastic padding is removed. Connect all cables.

Always disconnect from electric mains power supply before cleaning or servicing.

Damages caused by non-observance are not subject to warranty.
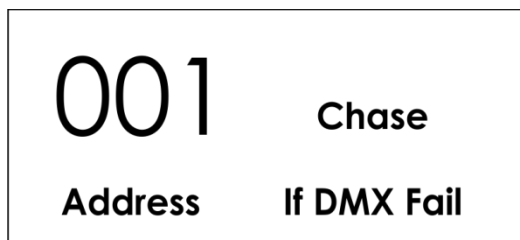
Set Up and Operation

Before plugging the unit in, always make sure that the power supply matches the product specification voltage. Do not attempt to operate a 120V specification product on 230V power, or vice versa.

DMX Mode

Press the [Enter] button to switch between "DMX Address" and "If DMX Fail" mode.

Setup DMX address:

Use the [Up] [Down] buttons to select an address between 001-512.

```
┌─────────────────────────────┐
│                             │
│  001      Chase             │
│                             │
│  Address   If DMX Fail      │
│                             │
└─────────────────────────────┘
```

DMX Fail Mode

Use the [Up] [Down] buttons to select "Play Chase" or "Play Scene".

Scene Mode

Press the [Enter] button to switch between the R/G/B/W channels.

Use the [Up] [Down] buttons to set the channel value.

Press the [mode] button to exit the Scene Mode.

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Chase Mode

Press the [Enter] button to switch between the eight options.

Use the [Up] [Down] buttons to set the values.

Press the [mode] button to exit the Chase Mode.
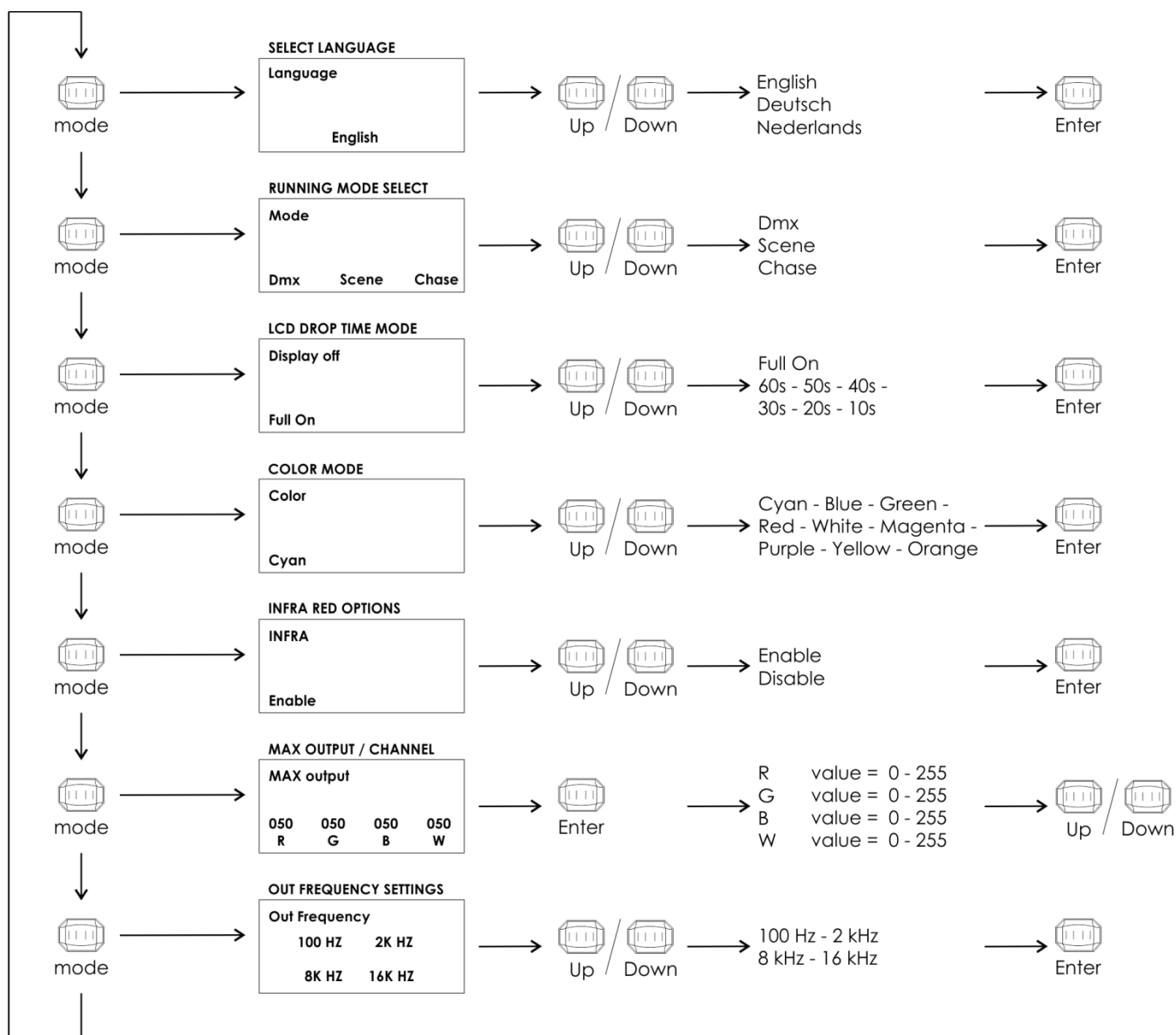
Menu Structure

SELECT LANGUAGE

[mode] → Language / English → [Up] / [Down] → English / Deutsch / Nederlands → [Enter]

RUNNING MODE SELECT

[mode] → Mode / Dmx   Scene   Chase → [Up] / [Down] → Dmx / Scene / Chase → [Enter]

LCD DROP TIME MODE

[mode] → Display off / Full On → [Up] / [Down] → Full On / 60s - 50s - 40s - 30s - 20s - 10s → [Enter]

COLOR MODE

[mode] → Color / Cyan → [Up] / [Down] → Cyan - Blue - Green - Red - White - Magenta - Purple - Yellow - Orange → [Enter]

INFRA RED OPTIONS

[mode] → INFRA / Enable → [Up] / [Down] → Enable / Disable → [Enter]

MAX OUTPUT / CHANNEL

[mode] → MAX output / 050 050 050 050 / R G B W → [Enter] →
R   value = 0 - 255
G   value = 0 - 255
B   value = 0 - 255
W   value = 0 - 255
→ [Up] / [Down]

OUT FREQUENCY SETTINGS

[mode] → Out Frequency / 100 HZ   2K HZ / 8K HZ   16K HZ → [Up] / [Down] → 100 Hz - 2 kHz / 8 kHz - 16 kHz → [Enter]

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Specifications

Power supply:	DC 12-24V
Load @ 12V:	max 8A/Channel (20A Total/240W)
Load @ 24V:	max 8A/Channel (20A Total/480W)
Selectable PWM frequencies:	100Hz, 2kHz, 8kHz, 16kHz
Housing:	Metal, grey powder coated
DMX In:	RJ45
DMX Out:	RJ45
12/24V DC input:	2-pin green terminal
Ingress protection rating:	IP20
Operating Temperature:	0 °C to +40 °C
Storage Temperature:	-20 °C to +70 °C
Dimensions (LxWxH):	195x140x80mm
Weight:	0.85Kg

Dimensions

140mm

Connections:
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IR Eye

DMX Signal

Mode   Up   Down   Enter

195mm

R G B W V+   V+ GND   DATA OUT   DATA IN   IR

80mm

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